

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (currently amended) A method of generating one or more new digital still images using an original digitally-acquired still image including a face, comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a relationship between two or more facial features of said face within said image, (ii) a structurally-invariant facial feature, or (iii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 2. (previously presented) A method as recited in claim 1, further comprising:

(e) gradually displaying a transformation between said original digitally-acquired image and one or more new images.

Claim 3. (previously presented) A method as recited in claim 2, further comprising:

(f) adjusting parameters of said transformation between said original digitally-acquired image and one or more new images.

Claim 4. (previously presented) A method as recited in claim 3, wherein said parameters of said transformation between said original digitally-acquired image and one or more new images being selected from a set of at least one or more criteria including timing or blending or a combination thereof.

Claim 5. (previously presented) A method as recited in claim 4, wherein said blending including dissolving, flying, swirling, appearing, flashing, or screening, or combinations thereof.

Claim 6. (previously presented) The method of claim 5, wherein the selected portion further comprises a zoom region, and a new image comprising a zoomed image includes the face enlarged by the zooming.

Claim 7. (previously presented) The method of claim 6, further comprising:

(d) (g) determining a point of rotation and an amount of rotation after which another image is automatically generated including a rotated version of the face.

Claim 8. (previously presented) The method of claim 6, further comprising:

(g) determining one or more further new images each including a new group of pixels corresponding to the face; and

(h) automatically panning using the one or more further new images.

Claim 9. (previously presented) The method of claim 8, wherein each of the one or more further new images including pixels corresponding to features different from at least one other image of the one or more further new images.

Claim 10. (previously presented) The method of claim 8, further comprising:

(i) determining a point of rotation and an amount of rotation after which another image is automatically generated including a rotated version of the face.

Claim 11. (previously presented) The method of claim 6, further comprising:

(g) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels automatically generates a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 12. (previously presented) The method of claim 11, further comprising:

(h) determining one or more further new images each including a new group of pixels corresponding to the face; and

(i) automatically panning using the one or more further new images.

Claim 13. (previously presented) The method of claim 12, wherein each of the one or more further new images including pixels corresponding to features different from at least one other image of the one or more further new images.

Claim 14. (previously presented) The method of claim 6, wherein the generating of the values generating one or more new images each including a new group of pixels corresponding to the face, and further comprising:

(g) generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 15. (previously presented) The method of claim 14, wherein each of the one or more new images including pixels corresponding to features different from at least one other image of the one or more new images.

Claim 16-22 (cancelled).

Claim 23. (currently amended) A method of providing an option for generating one or more new digital still images using an original digitally-acquired still image including a face, comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a relationship between two or more facial features of said face within said image, (ii) a structurally invariant facial feature, or (iii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically providing an option for generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 24. (previously presented) The method of claim 23, wherein the selected portion further comprises a zoom region, and a suggested new image comprising a zoomed image includes the face enlarged by the zooming.

Claim 25. (previously presented) The method of claim 24, further comprising:

(e) determining a point of rotation and an amount of rotation after which another suggested image includes a rotated version of the face.

Claim 26. (previously presented) The method of claim 24, further comprising:

(e) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(f) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 27. (previously presented) The method of claim 26, wherein each of the one or more further suggested new images including pixels corresponding to features different from at least one other image of the one or more further suggested new images.

Claim 28. (previously presented) The method of claim 26, further comprising:

(g) determining a point of rotation and an amount of rotation after which another suggested image includes a rotated version of the face.

Claim 29. (previously presented) The method of claim 23, further comprising:

(e) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels includes automatically providing an option to generate a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 30. (previously presented) The method of claim 29, further comprising:

(f) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(g) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 31. (previously presented) The method of claim 30, wherein each of the one or more further suggested new images including pixels corresponding to features different from at least one other image of the one or more further suggested new images.

Claim 32. (previously presented) The method of claim 23, wherein the generating of the values for generating one or more new images each including a new group of pixels corresponding to the face, and further comprising:

(e) automatically providing an option for generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 33. (previously presented) The method of claim 32, wherein each of the one or more new images including pixels corresponding to features different from at least one other image of the one or more new images.

Claim 34-40 (cancelled).

Claim 41. (currently amended) One or more computer readable media encoded with a computer program for programming one or more processors to perform a method of generating one or more new digital still images using an original digitally-acquired still image including a face, the method comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a relationship between two or more facial features of said face within said image, (ii) a structurally invariant facial feature, or (iii) a correlation with a stored

standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, or other spatial parameter of the face, or focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 42. (previously presented) The one or more computer readable media as recited in claim 41, the method further comprising:

(e) gradually displaying a transformation between said original digitally-acquired image and one or more new images.

Claim 43. (previously presented) The one or more computer readable media as recited in claim 42, the method further comprising:

(f) adjusting parameters of said transformation between said original digitally-acquired image and one or more new images.

Claim 44. (previously presented) The one or more computer readable media as recited in claim 43, wherein said parameters of said transformation between said original

digitally-acquired image and one or more new images being selected from a set of at least one or more criteria including timing or blending or a combination thereof.

Claim 45. (previously presented) The one or more computer readable media as recited in claim 44, wherein said blending including dissolving, flying, swirling, appearing, flashing, or screening, or combinations thereof.

Claim 46. (previously presented) The one or more computer readable media of claim 45, wherein the selected portion further comprises a zoom region, and a new image comprising a zoomed image includes the face enlarged by the zooming.

Claim 47. (previously presented) The one or more computer readable media of claim 46, the method further comprising:

(g) determining a point of rotation and an amount of rotation after which another image is automatically generated including a rotated version of the face.

Claim 48. (previously presented) The one or more computer readable media of claim 46, the method further comprising:

(g) determining one or more further new images each including a new group of pixels corresponding to the face; and

(h) automatically panning using the one or more further new images.

Claim 49. (previously presented) The one or more computer readable media of claim 48, wherein each of the one or more further new images including pixels corresponding to features different from at least one other image of the one or more further new images.

Claim 50. (previously presented) The one or more computer readable media of claim 48, the method further comprising:

(i) determining a point of rotation and an amount of rotation after which another image is automatically generated including a rotated version of the face.

Claim 51. (previously presented) The one or more computer readable media of claim 46, the method further comprising:

(g) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels automatically generates a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 52. (previously presented) The one or more computer readable media of claim 51, the method further comprising:

(h) determining one or more further new images each including a new group of pixels corresponding to the face; and

(i) automatically panning using the one or more further new images.

Claim 53. (previously presented) The one or more computer readable media of claim 52, wherein each of the one or more further new images including pixels corresponding to features different from at least one other image of the one or more further new images.

Claim 54. (previously presented) The one or more computer readable media of claim 46, wherein the generating of the values generating one or more new images each including a new group of pixels corresponding to the face, and the method further comprising:

(g) generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 55. (previously presented) The one or more computer readable media of claim 54, wherein each of the one or more new images including pixels corresponding to features different from at least one other image of the one or more new images.

Claim 56-62 (cancelled).

Claim 63. (currently amended) One or more computer readable media encoded with a computer program for programming one or more processors to perform a method of providing an option for generating one or more new digital still images using an original digitally-acquired still image including a face, the method comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels ~~(i) a relationship between two or more facial features of said face within said image, (ii) a structurally invariant facial feature, or (iii)~~ a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, ~~or combinations thereof;~~

(b) calculating a degree to which location, position, orientation, focus, ~~white balance, color balance~~ or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, ~~white balance, color balance~~ or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically providing an option for generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, focus, ~~white balance, color balance~~, or exposure of the

face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 64. (previously presented) The one or more computer readable media of claim 63, wherein the selected portion further comprises a zoom region, and a suggested new image comprising a zoomed image includes the face enlarged by the zooming.

Claim 65. (previously presented) The one or more computer readable media of claim 64, the method further comprising:

(e) determining a point of rotation and an amount of rotation after which another suggested image includes a rotated version of the face.

Claim 66. (previously presented) The one or more computer readable media of claim 64, the method further comprising:

(e) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(f) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 67. (previously presented) The one or more computer readable media of claim 66, wherein each of the one or more further suggested new images including pixels corresponding to features different from at least one other image of the one or more further suggested new images.

Claim 68. (previously presented) The one or more computer readable media of claim 66, the method further comprising:

(g) determining a point of rotation and an amount of rotation after which another suggested image includes a rotated version of the face.

Claim 69. (previously presented) The one or more computer readable media of claim 63, the method further comprising:

(e) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels including automatically providing an option to generate a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 70. (previously presented) The one or more computer readable media of claim 69, the method further comprising:

(f) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(g) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 71. (previously presented) The one or more computer readable media of claim 70, wherein each of the one or more further suggested new images including pixels corresponding to features different from at least one other image of the one or more further suggested new images.

Claim 72. (previously presented) The one or more computer readable media of claim 63, wherein the generating of the values for generating one or more new images each including a new group of pixels corresponding to the face, and the method further comprising:

(e) automatically providing an option for generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 73. (previously presented) The one or more computer readable media of claim 72, wherein each of the one or more new images including pixels corresponding to features different from at least one other image of the one or more new images.

Claim 74-80 (cancelled).

Claim 81. (previously presented) The method of claim 1, wherein the one or more new still images comprise a plurality of new still images.

Claim 82. (previously presented) The method of claim 23, wherein the one or more new still images comprise a plurality of new still images.

Claim 83. (previously presented) The one or more computer readable media of claim 41, wherein the one or more new still images comprise a plurality of new still images.

Claim 84. (previously presented) The one or more computer readable media of claim 63, wherein the one or more new still images comprise a plurality of new still images.

Claim 85. (currently amended) A method of generating one or more new digital still images using an original digitally-acquired still image including a face, comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a structurally-invariant facial feature, or (ii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, or other spatial parameter of the face, or focus, ~~white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.~~

Claim 86. (previously presented) A method as recited in claim 85, further comprising:

(e) gradually displaying a transformation between said original digitally-acquired image and one or more new images.

Claim 87. (previously presented) A method as recited in claim 86, further comprising:

(f) adjusting parameters of said transformation between said original digitally-acquired image and one or more new images.

Claim 88. (previously presented) A method as recited in claim 87, wherein said parameters of said transformation between said original digitally-acquired image and one or more new images being selected from a set of at least one or more criteria including timing or blending or a combination thereof.

Claim 89. (previously presented) A method as recited in claim 88, wherein said blending including dissolving, flying, swirling, appearing, flashing, or screening, or combinations thereof.

Claim 90. (previously presented) The method of claim 89, further comprising:

(g) determining a point of rotation and an amount of rotation after which another image is automatically generated including a rotated version of the face.

Claim 91. (previously presented) The method of claim 89, further comprising:

(g) determining one or more further new images each including a new group of pixels corresponding to the face; and

(h) automatically panning using the one or more further new images.

Claim 92. (currently amended) A method of providing an option for generating one or more new digital still images using an original digitally-acquired still image including a face, comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a structurally invariant facial feature, or (ii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically providing an option for generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, or other spatial parameter of the face, or focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 93. (previously presented) The method of claim 92, wherein the selected portion comprising a zoom region and a suggested new image comprising a zoomed image including the face enlarged by the zooming.

Claim 94. (previously presented) The method of claim 93, further comprising:

(e) determining a point of rotation and an amount of rotation after which another suggested image includes a rotated version of the face.

Claim 95. (previously presented) The method of claim 93, further comprising:

(e) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(f) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 96. (previously presented) The method of claim 92, further comprising:

(e) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels includes automatically providing an option to generate a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 97. (previously presented) The method of claim 96, further comprising:

(f) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(g) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 98. (previously presented) The method of claim 92, wherein the generating of the values for generating one or more new images each including a new group of pixels corresponding to the face, and further comprising:

(e) automatically providing an option for generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 99. (currently amended) One or more computer readable media encoded with a computer program for programming one or more processors to perform a method of generating one or more new digital still images using an original digitally-acquired still image including a face, the method comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a structurally invariant facial feature, or (ii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, or other spatial parameter of the face, or focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 100. (previously presented) The one or more computer readable media as recited in claim 99, the method further comprising:

(e) gradually displaying a transformation between said original digitally-acquired image and one or more new images.

Claim 101. (previously presented) The one or more computer readable media as recited in claim 100, the method further comprising:

(f) adjusting parameters of said transformation between said original digitally-acquired image and one or more new images.

Claim 102. (previously presented) The one or more computer readable media as recited in claim 101, wherein said parameters of said transformation between said original digitally-acquired image and one or more new images being selected from a set of at least one or more criteria including timing or blending or a combination thereof.

Claim 103. (previously presented) The one or more computer readable media as recited in claim 102, wherein said blending including dissolving, flying, swirling, appearing, flashing, or screening, or combinations thereof.

Claim 104. (previously presented) The one or more computer readable media of claim 99, the method further comprising:

(e) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels automatically generates a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 105. (previously presented) The one or more computer readable media of claim 99, wherein the generating of the values generating one or more new images each including a new group of pixels corresponding to the face, and the method further comprising:

(e) generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 106. (currently amended) One or more computer readable media encoded with a computer program for programming one or more processors to perform a method of providing an option for generating one or more new digital still images using an original digitally-acquired still image including a face, the method comprising:

(a) identifying one or more groups of pixels that correspond to a face within the original digitally-acquired still image, including determining within the one or more groups of pixels (i) a structurally invariant facial feature, or (ii) a correlation with a stored standard or learned face pattern, of the one or more groups of pixels, or combinations thereof;

(b) calculating a degree to which location, position, orientation, focus, white balance, color balance or exposure of the face, or combinations thereof, of said face within said image differs from a desired location, position, orientation, focus, white balance, color balance or exposure of said face within said image, or combinations thereof;

(c) based on the identifying of the one or more groups of pixels that correspond to said face and on the degree as a result of the calculating, selecting a portion of the original still image for processing to include the one or more groups of pixels; and

(d) automatically providing an option for generating values of pixels of one or more new still images based on the selected portion in a manner which always includes the face within the one or more new still images which differ from the original digitally-acquired still image by including at least one group of pixels modified at least in their location, position, orientation, or other spatial parameter of the face, or focus, white balance, color balance, or exposure of the face, or combinations thereof, as compared with the one or more groups of pixels identified in the original digitally-acquired still image.

Claim 107. (previously presented) The one or more computer readable media of claim 106, the method further comprising:

(e) determining a point of rotation and an amount of rotation such that the generating of the values of the pixels includes automatically providing an option to generate a new image including a rotated version of the face by rotating the image about said point of rotation by said amount of rotation.

Claim 108. (previously presented) The one or more computer readable media of claim 107, the method further comprising:

(f) determining one or more further suggested new images each including a new group of pixels corresponding to the face; and

(g) automatically providing an option for generating a panning sequence using at least two of the original image and the one or more further suggested new images.

Claim 109. (previously presented) The one or more computer readable media of claim 108, wherein each of the one or more further suggested new images including pixels corresponding to features different from at least one other image of the one or more further suggested new images.

Claim 110. (previously presented) The one or more computer readable media of claim 106, wherein the generating of the values for generating one or more new images each including a new group of pixels corresponding to the face, and the method further comprising:

(e) automatically providing an option for generating a panning sequence comprising a sequence of at least two of the original image and the one or more new images.

Claim 111. (previously presented) The one or more computer readable media of claim 110, wherein each of the one or more new images including pixels corresponding to features different from at least one other image of the one or more new images.

Claim 112. (previously presented) The one or more computer readable media of claim 106, wherein the one or more new still images comprise a plurality of new still images.